



PETROLEUM CORROSION PREVENTIVE OIL

NATO CODE C-609 – AIR 1503/B (obsolete) – MIL-C-6529 C Amd.2 Type 2

DESCRIPTION

NYCOPROTEC 05 is a petroleum oil with a viscosity of 226 cSt at 40°C. It is based on a mineral piston engine oil fortified with a corrosion-inhibiting additive package.

MAIN APPLICATIONS

- Temporary preservative oil for reciprocating piston aircraft engines

NYCOPROTEC 05 is used as a storage oil to protect aircraft components from corrosion, such as helicopter transmission gearbox. It may be applied by spraying or brushing on external components. Internal components are usually protected by filling with the oil. NYCOPROTEC 05 is usually drained prior to use.



Characteristic	Unit	Typical Result	AIR 1503/B Limit	Test method
- Appearance	-	Limpid brown oil	limpid	visual examination
- Density at 20°C	kg/dm ³	0.892	report	ASTM D 4052
- Kinematic viscosity At 100°C At 98.9°C At 40°C	mm ² /s	19.3 20 217	- 18 to 23 report	ASTM D 445
- Viscosity index	-	100	min. 95	ASTM D 2270
- Flash point , COC	°C	273	min. 204	ASTM D 92
- Pour point	°C	- 26	max. - 12	ASTM D 97
- Copper corrosion, 3 h at 100°C	-	1a	max. 1b	ASTM D 130
- Lead corrosion 4 h at 121°C 4 h at 149°C	mg/cm ²	-1.23 -1.47	max. +/- 6.0 max. +/- 11.0	FTM-S-791-5321
- Volatile matter, 24 h at 110°C	%w	0.3	max. 3.0	AIR 1654
- Corrosion protection, humidity cabinet	h	>336	min 336	ASTM D 1748
- Precipitation number	mL	0.0	0.1	ASTM D 91
- Conradson residue	%w	0.47	max. 2.0	ASTM D 189
- Oxidized ash content	%w	0.0	max. 0.015	ASTM D 482

The values above are typical values. They do not constitute any contractual commitment. Sales specifications are available on request. The present technical data sheet replaces all the previous editions.

